

## Full Line Overview

Air Compressors, Vacuum Pumps, and Air Motors



# The Gast Group Difference

For over 90 years, Gast Manufacturing has been providing innovative air solutions to a broad breadth of customers. With the relatively recent addition of JUN-AIR, we have expanded our capabilities and formed, "The Gast Group." Together, our diverse engineering background and pneumatic experience allow us to provide both component and system solutions to meet all of your pneumatic needs...all backed by our strong commitment to quality and customer support.

## Products for Almost Any Application – Worldwide

We offer an extensive and versatile line of air-moving products, including vacuum pumps, compressors, air motors, gearmotors, vacuum generators, and regenerative blowers. We design and build these components for original equipment manufacturers worldwide, but we also develop complete pneumatic solutions to solve tough customer challenges.

To ensure fast, efficient delivery of products, Gast has a vast network of sales representatives/distributors throughout the United States and the world. Plus, we maintain direct sales and service facilities in Europe, Hong Kong, and Shanghai, China.

## Unparalleled Design Expertise

Unlike other manufacturers, who might expect you to modify your pneumatic system to fit their available product(s), Gast is committed to finding the right product to meet your specific needs. If we don't have a high-quality, off-the-shelf product to fit your existing application or meet your anticipated needs, we'll propose customized cost-effective design options that will serve your special requirements. We can even develop and produce your complete pneumatic system for you.

Our experienced Research and Development engineers and Product engineers work together to analyze customer needs and use computer-aided design to generate timely solutions for air-handling problems. The design team has one goal: to create problem-solving solutions that capitalize on the latest available technology, meet all application requirements, and benefit from cost-effective production methods. The end result: products and solutions that are the best value in the marketplace for our customers.

## A Lasting Commitment to Quality

We invest heavily in both equipment and people to maintain the consistent quality for which our products are known worldwide, and we have done so since day one. As early as 1983, we implemented a total quality process designed to ensure the quality of our products. In keeping with that tradition, Gast has achieved ISO 9001 certification, making us a member of the elite group of manufacturing companies in the world to receive that certification.

## European Community Directives

With extensive sales outside the United States, Gast has pledged to conform to the European Community Directives. These directives contain essential requirements concerning health, safety, environment, and consumer protection for all products targeted for the European Community market. Currently, all Gast products available for sale in the European Community are in compliance with the Machinery, Low Voltage, and Electromagnetic Compatibility Directives.

Pictorial and dimensional data is subject to change without notice. The information presented is based on technical data and test results of nominal units. It is believed to be accurate and is offered as an aid in the selection of Gast products. It is the user's responsibility to determine suitability of the product for intended use and the user assumes all risk and liability whatsoever in connection therewith. Environmental and application conditions may affect advertised life.

# Performance Overview

## Rotary Vane



- Oilless or lubricated
- Low vibration
- Pulse-free air delivery
- Extra quiet AT Series

Free Air Flow

**112** CFM  
**190** m<sup>3</sup>/h

Maximum Pressure

**25** psig  
**1.7** bar

Maximum Vacuum

**28** inHg  
**65** mbar

## Diaphragm



- Oilless
- Quiet operation
- Compact, lightweight
- High efficiency
- Corrosion resistant

**3.8** CFM  
**6.5** m<sup>3</sup>/h

**60** psig  
**4.2** bar

**29** inHg  
**31** mbar

## Rocking Piston



- Oilless
- Quiet operation
- Lightweight
- Corrosion resistant

**5.5** CFM  
**9.35** m<sup>3</sup>/h

**200** psig  
**14** bar

**29** inHg  
**31** mbar

## Piston



- Oilless
- Rugged construction
- Corrosion resistant

**11** CFM  
**18.7** m<sup>3</sup>/h

**125** psig  
**8.8** bar

**28.5** inHg  
**48** mbar

## Linear

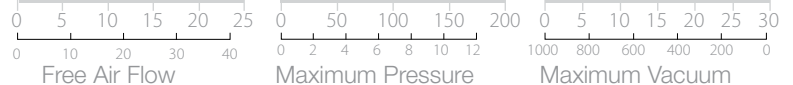


- Oilless
- Quiet operation
- Smooth air flow
- Compact, lightweight
- High efficiency

**9.9** CFM  
**280** LPM

**10.5** psig  
**0.72** bar

**12.1** inHg  
**603** mbar



## Vacuum Generators



- Compact, lightweight
- Quiet operation
- Low air consumption
- No moving parts
- High efficiency

**158** CFM  
**268.5** m<sup>3</sup>/h

**27** inHg  
**99** mbar

## Regenerative Blowers



- Oilless
- Mount in any position
- Continuous, non-pulsating air flow

**1350** CFM  
**2294** m<sup>3</sup>/h

**284** H<sub>2</sub>O  
**707** mbar

**184** H<sub>2</sub>O  
**458** mbar

## Air Motors/Gearmotors



- Variable speed
- Non-electrical sparking
- Cool running
- Compact, portable
- Mount in any position

AIR MOTOR  
**9.5** HP  
**7.1** kW

GEARMOTOR  
**5200** lb. in.  
**587** Nm

VARIABLE SPEEDS  
**10000** rpm



- Oilless or lubricated models
- Dual function styles available
- Low vibration
- Pulse-free air delivery
- Extra quiet AT Series
- Long, service-free life
- Simplex and duplex vacuum tank systems (2 to 60 gallon tank)
- Electric motors are dual frequency, multi-voltage AC for worldwide applications, with models rated 12 and 24 volts DC
- A complete line of accessories available

### Typical Applications

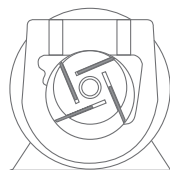
- Breathing air supply
- Circulation therapy
- Packaging
- Graphic arts
- Pond aeration
- Vacuum hold-down
- Air sampling
- Office/business machines
- Food processing equipment
- Laboratory use
- Soil sparging
- Vacuum forming
- Air bearings

### Product Specifications

	MODEL/SERIES	POWER RATING		FREE AIR FLOW				MAXIMUM PRESSURE		MAXIMUM VACUUM	
		hp	kW	CFM		m <sup>3</sup> /h		psi	bar	inHg	mbar
				50 Hz	60 Hz	50 Hz	60 Hz				
MOTOR MOUNTED MODELS	1531 24V BLDC	1/10	0.07	1.7		2.9		10	0.7	25	167
	1531	1/10	0.07	1.25	1.5	2.12	2.5	15	1.0	20	335
	0532	1/15	0.05	.29	.6	0.49	1.0	15	1.0	20	335
	1032	1/15	0.05	.92	1.1	1.56	1.9	10	0.7	20	335
	1532	1/10	0.07	1.3	1.5	2.2	2.5	10	0.7	20	335
	2032	1/8	0.09	2.0	2.4	3.4	4.1	10	0.7	26	133
	3032	1/6	0.12	2.4	2.6	4.1	4.4	10	0.7	26.5	116
	0211	1/6	0.12	1.1	1.3	1.9	2.2	20	1.4	20	335
	*0323-1423 (6 models)	1/4 - 1	0.19-0.56	2.7 - 11.5	3.2 - 13	4.6 - 19.5	5.4 - 22	10	0.7	26.5	116
	*AT03 - AT05	1/4	0.19	3.8 - 4.8	—	—	6.5 - 8.2	5	0.4	24	150
	2070	2	1.5	16	20	27	34	15	1.0	25	167
SEPARATE DRIVE MODELS	0533	1/15	0.05	.5	.6	0.85	1.0	15	1.0	20	335
	1033	1/10	0.07	.9	1.1	1.53	1.9	15	1.0	20	335
	1034	1/6	0.13	—	1.6	—	2.7	10	0.7	20	335
	1534	1/6	0.13	—	2.2	—	3.7	10	0.7	20	335
	0240-0740	1/4-1/3	0.19-0.25	1.5 - 4.9	1.9 - 6.0	2.5 - 8.3	3.2 - 10	10	0.7	20	335
	0465	1/4	0.19	3.4	4.0	5.8	6.8	—	—	28	65
	0765	1/3	0.25	5.0	6.0	8.5	10	—	—	28	65
	1550	3/4	0.56	11.5	14.5	19.5	24.7	15	1.0	20	335
	1065-2565	1/2-1 1/2	0.37 - 1.1	7.3 - 16.5	8.5 - 21	12 - 28	14.4 - 35.7	25	1.7	28	65
	2067-2567	1-1 1/2	0.75 - 1.1	14 - 17	17 - 21	24 - 29	29 - 35.7	15	1.0	28	65
	2080-4080	2-5	1.5 - 3.7	20 - 37	25 - 45	34 - 63	42 - 76	15	1.0	25	167
	3040	2	1.5	31	40	53	68	10	0.7	20	335
	5565	3	2.2	45	55	76	93.5	—	—	20	335
	6066	5	3.7	45	55	76	93.5	15*	1.0	25	167
	1290**	10	7.5	—	112	—	190	20	1.4	—	—
1290	7.5	5.6	—	112	—	190	-	—	25	167	

\* Standard model performance. Soil sparging model capable of 20 psi

\*\* Soil sparging model



Sliding, flat vanes in an eccentric-mounted rotor are flung outward against the bore of the pump to generate pressure and vacuum in a rotary vane pump.



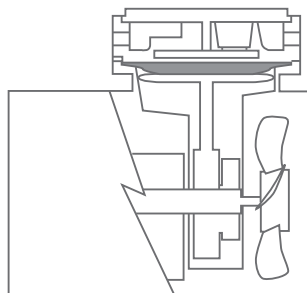
- Oilless
- Rugged construction
- Quiet
- Cooler air output
- Easy maintenance
- Compact, lightweight – ideal for light-duty applications
- Corrosion resistant
- Low power consumption
- Standard, twin, and miniature styles
- Electric motors available in dual frequency, shaded pole, and permanent split capacitor (psc) versions as well as AC multi-voltages for worldwide applications
- 4 - 24 volt DC options on the miniature styles

### Typical Applications

- Blood analysis
- Respirators/nebulizers
- Vacuum pad hold-down
- Dental/surgical
- Automobile cruise controls
- Graphic arts equipment
- Air and gas analysis
- Breast pumps
- Sterilizers
- Air brushes
- Agricultural foam markers
- Oil atomizers
- Lab equipment

### Product Specifications

	MODEL/ SERIES	POWER RATING		FREE AIR FLOW	MAXIMUM PRESSURE		MAXIMUM VACUUM	
		60 Hz hp	kW		LPM	psi	bar	inHg
<b>STANDARD DIAPHRAGM MODELS</b>	MOA (AC/DC)	1/8	0.09	1.36	50	3.5	24	200
	MAA (AC)	1/8	0.09	2.68	50	3.5	28.5	48
	DOA (AC/DC)	1/3	0.25	3.23	60	4.2	25.5	150
	DAA (AC)	1/2	0.37	6.46	60	4.2	29	31
<b>MINIATURE DIAPHRAGM MODELS</b>	2D (DC)	—	—	0.65	5.5	0.38	11	641
	3D (DC)	—	—	1.18	7.1	0.49	11.3	631
	5D (DC)	—	—	1.5	11	0.76	13	573
	10D (AC)	—	—	3.8	15	1.0	15	505
	10D (DC)	—	—	4.3	15	1.0	14	526
	15D (AC)	—	—	7.0	24	1.9	20	335
	15D (DC)	—	—	7.0	20	2.0	20	335
	15D (DC) TWIN	—	—	6-13	25	1.0	25	99
	22D (AC)	1/20	0.04	26.3	25	1.7	23	234
	22D (DC)	1/8	0.09	36.8	25	1.7	22.5	251



In reciprocating motion, with a short stroke, the diaphragm at the top of the connecting rod flexes up and down in a closed chamber, creating pressure or vacuum.



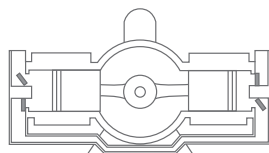
- Oilless
- Rugged construction
- Long, service-free life
- Corrosion resistant
- Motor-mounted or separate drive styles
- Dual frequency, AC multi-voltage, 12 and 24 volt DC options also available
- Tank-mounted piston compressors come in simplex and duplex styles and in tank sizes ranging from 2 to 60 gallons
- A complete line of recommended accessories also available

### Typical Applications

- Cable pressurization
- Tire inflators
- Air suspension
- Beverage dispensing
- Door closures
- Pneumatic temperature controls
- Power spraying
- Spray painting
- Medical/dental clinics

### Product Specifications

	MODEL/ SERIES	POWER RATING		FREE AIR FLOW				MAXIMUM PRESSURE		MAXIMUM VACUUM	
		hp	kW	CFM		m <sup>3</sup> /h		psi	bar	inHg	mbar
				50 Hz	60 Hz	50 Hz	60 Hz				
STANDARD MOTOR MOUNTED MODELS	1L	1/6	0.12	1.5	1.5	2.55	2.55	50	3.5	—	—
	2L	1/4	0.19	2.4	2.4	4.1	4.1	50	3.5	—	—
	3L	1/3	0.25	3.1	3.1	5.3	5.3	50	3.5	—	—
	4L	1/2	0.37	4.5	4.5	7.7	7.7	50	3.5	—	—
	5L	3/4	0.56	5.4	5.4	9.2	9.2	50	3.5	—	—
	6L	1	0.74	6.3	6.3	10.7	10.7	50	3.5	—	—
	7L	1 1/2-2	1.1 - 1.5	10.2	10.2	17.3	17.3	50	3.5	—	—
	8L	2	1.5	9.1	12.4	15.5	20.7	50	3.5	—	—
	1H	1/6	0.12	1.3	1.3	2.2	2.2	100	7.0	—	—
	2H	1/4	0.19	2.1	2.1	3.6	3.6	100	7.0	—	—
	3H	1/3	0.25	2.4	2.4	4.1	4.1	100	7.0	—	—
	4H	1/2	0.37	3.5	3.5	6.0	6.0	100	7.0	—	—
	5H	3/4	0.56	4.7	4.7	8.0	8.0	100	7.0	—	—
	6H	1	0.74	5.4	5.4	10.7	9.2	100	7.0	—	—
	7H	1 1/2-2	1.1 - 1.5	9.1	9.1	15.5	15.5	100	7.0	—	—
	7HFA	1 1/2	1.1	5.4	6.5	9.2	11.0	115	8.0	—	—
	8H	2	1.5	11	11	18.7	18.7	100	7.0	—	—
IVAF	1/6	0.12	1.49	1.80	2.53	3.06	—	—	27.5	82	
IVSF	1/6	0.12	2.49	3.00	4.23	5.10	—	—	28.5	48	
IVBF	1/6	0.12	2.66	3.20	4.52	5.44	—	—	27.5	82	
4VSF	1/2	0.37	3.38	4.2	5.75	7.1	—	—	28.5	48	
4VCF	1/2	0.37	4.15	5.00	7.06	8.50	—	—	27.5	82	
5VSF	1 1/2	1.1	5.19	6.25	8.82	10.63	—	—	28.5	48	
5VDF	1 1/2	1.1	8.72	10.50	14.82	17.85	—	—	27.5	82	
SEPARATE DRIVE MODELS	PAB	.3	0.22	1.3	—	2.2	—	100	7.0	—	—
	PBB	.6	0.45	2.5	—	4.3	—	100	7.0	—	—
	PCA	1.7	1.27	6.1	—	10.4	—	125	8.8	—	—
	PCD	1.1	0.82	4.7	—	8.0	—	100	7.0	—	—
	VAB	.13	0.10	1.3	—	2.2	—	—	—	27.5	82
	VBB	.13	0.16	2.5	—	4.3	—	—	—	27.5	82
	VCD	.21	0.19	4.8	—	8.2	—	—	—	27.5	82



In reciprocating motion, the piston moves up and down or back and forth inside a cylinder creating pressure or vacuum.



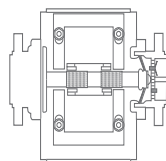
- Oilless
- Long life
- Low noise level
- High efficiency
- Compact and powerful
- No lubrication necessary
- Smooth air flow

### Typical Applications

- Blood cuff monitors
- Waste water treatment
- Environmental monitoring and air sampling
- Oxygen supply for medical instruments
- Liquid agitation and mixing
- Hospital air mattresses
- Medical nebulizers
- Air supply for leak test equipment
- Solder removal
- Automotive emission test equipment
- Leak test equipment
- Scientific and medical analysis equipment

### Product Specifications

MODEL/ SERIES	MAX POWER Watts	FREE AIR FLOW				MAXIMUM PRESSURE				MAXIMUM VACUUM			
		CFM		LPM		psi		bar		inHg		mbar	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
DDL5	9.5	.45	.45	13	13	3.3	3.2	.23	.22				
DDL5BS	10	.39	.39	11	11	2.8	2.8	.19	.19	4.6	4.8	857	850
DDL5ES	10	.39	.39	11	11	2.8	2.8	.19	.19	4.6	4.8	857	850
DDL8	12	.81	.81	23	23	3.2	3.2	.22	.22	5.5	7.7	827	752
DDL8B	13	.81	.81	23	23	3.2	3.2	.22	.22				
DDL8BS	12	.81	.99	23	28	2.6	3.0	.18	.21	6.3	7.5	800	759
DDL15	20	.98	1.1	28	32	4.4	4.5	.30	.31	9.4	10.8	695	647
DDL15B	22	.98	1.1	28	32	4.4	4.5	.30	.31				
DBM20	15	.92	1.0	26	29	5.8	5.2	.40	.36	9.8	10.4	681	661
DBP25	20	1.2	1.4	35	39	5.0	5.0	.34	.34				
DBP40	40	2.4	2.1	67	59	4.4	5.8	.30	.40				
DBM30B	34	2.0	2.2	57	63	4.8	5.1	.33	.35	8.9	9.6	712	688
DDL30	46	2.3	1.9	65	54	5.1	5.4	.35	.37				
DDL30B	46	2.3	1.9	65	54	5.1	5.4	.35	.37				
DDL30BS	46	2.3	1.9	65	59	4.4	5.5	.30	.38	10.7	12.2	651	600
DBM40	46	2.6	2.0	74	56	5.4	6.2	.37	.43				
DDL40	46	2.6	2.3	76	65	5.8	5.9	.40	.41				
DDL40B	51	2.6	2.3	76	65	5.8	5.9	.40	.41				
DDL40BS	51	3.2	3.7	92	105	5.1	6.2	.35	.43	9.9	11.9	678	610
DBM60	71	3.3	3.4	95	96	6.2	6.3	.43	.44				
DBMS60	70	3.3		95		6.2		.43					
DBMS600	71		3.4		96		6.3		.44				
DDL60	70	3.6	2.8	102	79	6.1	6.3	.42	.43				
DDL80	95	3.9	4.2	111	120	7.0	7.0	.48	.48				
DBM80	92	4.1	4.2	117	118	6.6	7.2	.46	.50				
DBMS80	82	4.1		117		6.6		.46					
DBMS800	92		4.2		118		7.2		.50				
DBMX80	101	4.9	5.1	140	145	6.8	7.2	.47	.50				
DBMX100	124	5.3	5.5	150	155	7.8	7.9	.53	.54				
DBMX120	154	6.2	5.9	175	168	8.5	8.3	.59	.57				
DBMX150	170	9.2	8.5	260	240	6.1	6.3	.42	.43				
DBMX200	230	9.9	9.5	280	270	7.4	7.2	.51	.50				



Electromagnetic oscillation of the rod/diaphragm assembly changes the volume of space enclosed between the casing and the diaphragm, creating pressure or vacuum.





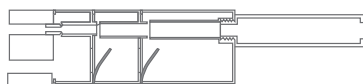
- Excellent for those vacuum applications where a regular vacuum pump may not be preferred
- 27 chemical and corrosion resistant models
- Single or multi-stage designs offer several options
- Compact, lightweight construction
- Low air consumption
- No moving parts - quiet operation
- Minimal maintenance
- Low operating cost
- Vacuum cups in flat and bellows, threaded or "slip fit" mounting options available, with diameters from 1/4 to 5 7/8 in

### Typical Applications

- Envelope insertion/extraction
- Evacuation of volatile vapors
- Aspiration
- Carton forming
- Robotic pick and place
- Any number of other vacuum applications where pump size, noise level, or high-temperature environment are considerations

### Product Specifications

	MODEL <small>metric models have MG prefix instead of VG</small>	FREE AIR FLOW		MAXIMUM VACUUM		AIR CONSUMPTION
		CFM @ 0" Hg	m <sup>3</sup> /h @ 1000 mbar	inHg	mbar	CFM @ suggested operating pressure
<b>SINGLE-STAGE HIGH VACUUM SERIES</b>	VG-005-00-00	.2	0.3	27	99	.46 @ 30-75 psi
	VG-010-00-00	.95	1.6	26	133	1.60 @ 30-75 psi
	VG-015-00-00	2.2	3.7	27	99	3.50 @ 30-75 psi
	VG-020-00-00	4	6.8	27	99	6.40 @ 30-75 psi
<b>SINGLE-STAGE HIGH FLOW SERIES</b>	VG-007-00-00	.46	.78	17	420	.49 @ 70 psi
	VG-012-00-00	1.6	2.7	17	420	1.90 @ 70 psi
	VG-022-00-00	6.8	11.6	17	420	7.09 @ 70 psi
	VG-340-M0-00	34	57.8	16.5	455	26.40 @ 80 psi
<b>MULTI-STAGE HIGH VACUUM SERIES</b>	VG-065-00-00	6.8	11.6	27	99	2.7 @ 68 psi
	VG-130-00-00	12	20.4	27	99	4.9 @ 68 psi
	VG-260-00-00	17	28.9	26	133	7.0 @ 68 psi
<b>MULTI-STAGE HIGH FLOW SERIES</b>	VG-075-00-00	12	20.4	20	335	3.4 @ 87 psi
	VG-140-00-00	16	27.2	20	335	5.5 @ 87 psi
<b>MULTI-STAGE (COMBINATION) HIGH PERFORMANCE AND SEVERE-DUTY</b>	VG-260-02-00	36	61.1	26	133	14 @ 68 psi
	VG-260-04-00	71	120.6	26	133	28 @ 68 psi
	VG-260-08-00	158	268.5	26	133	56 @ 68 psi



When compressed air is forced through a conical nozzle, its velocity increases and pressure decreases. GAST vacuum generators operate on this venturi principle, which creates vacuum without a single moving part.





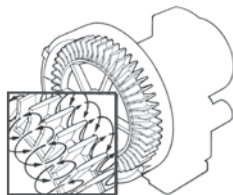
- For high volume vacuum or compressed air applications
- Motor-mounted and separate drive models
- TEFC electric motors are UL and CSA certified on several models (see chart) and come in single and three-phase, dual frequency, and multi-voltage versions; 12 volt DC is available on the smallest model
- Special models with explosion-proof motors, 1/3 to 10 HP, are designed for soil vapor extraction applications. Consult Distributor or Factory for details (not shown on chart)
- A complete line of recommended accessories available

### Typical Applications

- Air tables
- Solution and media agitation
- Vacuum hold-down and pickup
- Air blow-off
- Soil and ground water remediation
- Carton forming and packaging
- Lab filtration
- Sewage aeration
- Materials handling
- Aquaculture
- Pneumatic conveying

### Product Specifications

	MODEL/ SERIES	POWER RATING		FREE AIR FLOW				MAXIMUM PRESSURE				MAXIMUM VACUUM			
		60 Hz hp	kW	CFM		m <sup>3</sup> /h		psi		bar		inHg		mbar	
				50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
<b>STANDARD MOTOR MOUNTED MODELS</b>	R1	1/8	0.09	23	27	39	46	21	28.5	52	71	20	26.5	50	66
	R2	1/3, 1/2	0.25, 0.37	33	42	56	71	30	39	75	97	25	35	62	87
	R3	1/2	0.37	43	52-	88-	31-	35-	43-	77-	107-	28-	40-	70-	100-
					53	90	40	78	55	100	137	35	50	87	125
	R4	1	0.75	74	92	126	156	38	52	95	130	34	48	85	120
	R4P	1 1/2	1.1	110	127	187	216	47-	63-	117-	157-	43-	59-	107-	147-
								50	65	125	162	45	60	112	149
	R5	2 1/2	1.86	133	160	226	272	50	65	125	162	47	60	117	149
	R6	2 1/2-	1.86-	180	215	306	365	35-	40-	87-	100-	45-	45-	112-	112-
		5	3.73					78	105	194	262	70	88	174	219
	R4M	9	6.7	217	252	369	428	150	170	374	423	125	136	311	339
	R6P	5 1/2	4.1	235-	280-	399-	476-	50-	30-	125-	75-	60-	35-	149-	87-
			245	290	416	493	85	110	212	274	70	90	174	224	
R7	10	7.46	350	420	595	714	115	100-	286	249-	90	95-	224	237-	
								125		311	110			274	
R6PP	11	8.2	405	485	688	824	75	95	187	237	65	80	162	199	
R7P	18	13.4	666	795	1132	1351	90	105	224	262	85	95	212	237	
R9	15	11.3	585	680	994	1155	125	125	311	311	105	115	262	286	
R9P	30	22.4	1140	1350	1937	2294	110	125	274	311	100	110	249	274	
<b>HIGH PRESSURE MOTOR MOUNTED MODELS</b>	R4H	6	4.5	107	128	182	217	277	284	690	707	184	184	457	457
	R6PS	11	8.2	215	265	365	450	145	170	361	423	110	130	274	324
	R7S	18	13.4	350	420	595	714	170	200	423	498	130	150	324	374
	R9S	30	22.4	542	660	921	1121	208	221	518	551	143	150	357	374
<b>SEPARATE DRIVE MODELS</b>	SDR4	4	3.0	147		128		182		217		277		284	
	SDR5	10	7.5	240		265		365		450		145		170	
	SDR6	15	11.2	300		420		595		714		170		200	
	SDR6P	15	11.2	360		660		921		1121		208		221	



A certain amount of air slips past each impeller blade during rotation and returns to the base of a succeeding blade for reacceleration – “regenerative.”



- Available in lubricated or non-lubricated models
- Variable speed
- Non-electrical sparking
- Cool running
- Compact and portable
- Operate in all positions
- Mounting flexibility -hub, foot, face, NEMA C-Flange, or Metric D Series interface mountings and clockwise, counter-clockwise, or reversible rotations
- Four and eight vane models also available
- Air powered gearmotors are available in right-angle and in-line models
- A full line of recommended accessories available

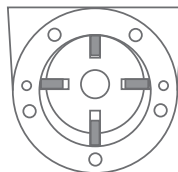
### Typical Applications

- Mixing equipment
- Conveyor drives
- Pump drives
- Food packaging
- Pharmaceutical packaging
- Hoists and winches
- Hose reels
- Fiberglass choppers
- Tension devices
- Turntables

### Product Specifications

	MODEL/SERIES	MAX SPEED	OUTPUT POWER		TORQUE		MAX. AIR CONSUMPTION		MAX SPEED	MAXIMUM TORQUE	
		rpm	hp	kW	lb. in.	Nm	CFM	m <sup>3</sup> /h	rpm	lb. in.	Nm
<b>STANDARD AIR MOTORS</b>	1AM (A)	10,000	0.45	0.33	2.75	0.31	20.5	35.1	650	5.6	0.65
	1UP (B)	6,000	0.45	0.33	5.25	0.58	27	47	500	6.00	0.68
	2AM (A)	3,000	0.93	0.68	19.50	2.20	30	49.5	350	26.1	3.05
	4AM (A)	3,000	1.70	1.30	36.00	4.1	78	132.5	300	56.00	6.3
	6AM (A)	3,000	4.00	3.00	84.00	10.00	128	228	300	115.00	13.00
	8AM (A)	2,500	5.25	3.90	132.00	14.40	175	293	300	185.00	21.00
16AM (A)	2,000	9.50	7.10	290.00	34.00	275	475	300	372.00	43.00	
<b>STAINLESS STEEL AIR MOTORS</b>	1AM (A)	10,000	0.45	0.33	2.75	0.31	20.5	35.1	650	5.6	0.65
	4AM (A)	3,000	1.70	1.30	36.00	4.1	78	132.5	300	56	6.3
	6AM (A)	3,000	4.00	3.00	84.00	10.00	128	228	300	115	13.00

	MODEL/SERIES	GEAR RATIO	MAX SPEED	LINE PRES.	OUTPUT POWER		TORQUE		MAX. AIR CONSUMPTION		MAX SPEED	MAXIMUM TORQUE	
			rpm		hp	kW	lb. in.	Nm	CFM	m <sup>3</sup> /h	rpm	lb. in.	Nm
<b>GEAR-MOTORS</b>	1AM-NRV	15:1	350	A	0.34	0.26	62	7.1	21.0	36	30	72	8.1
	1UP-NRV	15:1	400	C	0.32	0.23	49	5.5	2	36	30	71	8.0
	2AM-43A	20:1	150	C	0.26	0.39	110	12.4	18	30.6	60	145	16.4
	2AM-43A	20:1	150	A	0.58	0.43	240	27.1	42	71.4	60	270	30.5
	4AM-RV	10:1	300	B	1.26	0.94	274	31.0	57.5	98	30	425	48.0
	4AM-RV	15:1	200	B	1.25	0.90	400	45.2	60.0	102	20	640	72.0
	4AM-70C	20:1	150	A	1.17	0.87	487	55.0	71.0	120	15	740	83.6
	4AM-70C	40:1	75	A	0.95	0.71	800	90.4	71.0	120	7	1255	141.8
	4AM-70C	60:1	50	A	0.82	0.61	1040	117.5	71.0	120	5	1640	185.3
	6AM-22A	10:1	300	A	3.40	2.54	720	81.4	130.0	221	30	950	107.4
	6AM-22A	20:1	150	A	2.65	1.98	1100	124.3	130.0	221	15	1550	175.6
	6AM-22A	40:1	75	A	2.10	1.57	1725	194.9	135.0	230	8	2500	282.5
	8AM-32A	20:1	125	A	3.70	2.76	1850	209.1	177.0	301	15	2550	288.2
	16AM-13	20:1	100	A	6.50	4.85	4175	471.8	275.0	468	15	5175	584.8



Compressed air into an air motor forces the sliding vanes out of the eccentric-mounted rotor. An extended shaft on the rotor spins to perform the work.





**Gast Manufacturing, Inc.**

A Unit of IDEX Corporation  
Post Office Box 97  
2300 M-139 Highway  
Benton Harbor, Michigan 49023-0097  
Phone 269-926-6171  
Fax 269-925-8288  
[www.gastmfg.com](http://www.gastmfg.com)

**Gast Hong Kong**

Room 6, 9/F, New Commerce Centre  
19 On Sum Street, Shatin  
Hong Kong  
Phone 852-2690-1008  
Fax 852-2690-1012

**Gast Group Ltd.**

A Unit of IDEX Corporation  
Unit 11, The I O Centre  
Nash Road  
Redditch, B98 7AS  
United Kingdom  
Phone +44 (0)1527-504040  
Fax +44 (0)1527-525262